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STATE OF NORTH CAROLINA, DEPARTMENT OF ADMINISTRATION  
DIVISION OF PURCHASE AND CONTRACT  
AGENCY SPECIFIC TERM CONTRACT

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<b>Contract Title:</b>	Articulated Combination Roller
<b>Bid (Contract) Number:</b>	201400401
<b>Commodity Code:</b>	760-63
<b>Effective Dates:</b>	April 24, 2014 through April 23, 2017 Non-Renewable
<b>P&amp;C Administrator:</b>	Bahaa Jizi
<b>Phone:</b>	919-807-4520
<b>E-Mail:</b>	<a href="mailto:Bahaa.jizi@doa.nc.gov">Bahaa.jizi@doa.nc.gov</a>
<b>Last Updated:</b>	

**Items on Contract**

Product Description	Price/UOM	Contractor
See Attachment		

**Contractor**

Contractor Information	
<b>Company</b>	Gregory Poole Equipment Co.
<b>Address</b>	4807 Beryl Road
<b>City, State, Zip</b>	Raleigh, NC 27606
<b>URL</b>	
Contractor Contact	
<b>Name</b>	Glenn Foley
<b>Phone</b>	800-447-3112 (919) 890-4376
<b>E-Mail</b>	<a href="mailto:foley@gregpoole.com">foley@gregpoole.com</a>

**Taxes**

Prices shown do not include North Carolina sales or use taxes.

**Delivery**

The contractor will complete delivery within **15 consecutive calendar days** after receipt of purchase order. Prices listed in this contract include transportation charges to this specific location. If you should require delivery to another location in the state, please contact the vendor to see if there may be any add-on or deduct for your particular location.

**Transportation Charges**

All goods shall be delivered FOB DESTINATION. Prices herein include shipping.

**Warranty**

The contractor guarantees items to be free from any and all defects in material, packaging, and workmanship and agrees to replace and/or repair defective items promptly at no charge to the State, for the period as stated in the mfg. standard warranty from date of acceptance. This statement is not intended to limit any additional coverage which may normally be associated with a product.

**FURNISH AND DELIVER:**

Articulated combination roller will be furnished in accordance with the attached specifications & questionnaire. Units shall be furnished with the published standard equipment whether specified or not.

**SPECIAL NOTE:**

This bid is to establish a 3 year contract for the items below. No quantities are guaranteed. Once the contract has been awarded, NCDOT will determine quantities and issue purchase order(s) as needed throughout the contract period.

ITEM	QTY	UOM	DESCRIPTION	UNIT COST	TOTAL EXTENDED COST
1.	2	ea	ARTICULATED COMBINATION ROLLER	\$ 44,950.00	\$ 89,900.00

TOTAL ALL ITEMS \$ 89,900.00

2513C  
February 28, 2014

**ARTICULATED COMBINATION ROLLER**

This section contains the minimum requirements for a combination roller (steel drum on the front and pneumatic tires on the rear) to be used by the Division of Highways. Units offered shall be diesel powered, hydrostatic driven and be delivered ready for operation with all standard equipment whether requested or not. The roller bid shall be a standard production model that is in current production and has been in production a minimum of two years. Two (2) copies of the manufacture's literature that include the roller specifications shall be furnished with the bid.

**Machine Offered:**

1	Make:	Caterpillar
2	Model:	CC-34B
3	Model Year:	2014
4	Years in production.	B series is the new updated model, but CC-34 in production for several years

**A: DIMENSIONS**

	Requested	Offered
1	Minimum operating weight of 8,000 pounds.	8,091 pounds

2	Maximum overall length of 125 inches.	<u>113</u>	inches
3	Maximum overall width of 60 inches.	<u>55</u>	inches
4	Maximum overall height to top of ROPS 110 inches.	<u>105</u>	inches
5	Minimum curb clearance (both sides) of 19 inches.	<u>20</u>	inches
6	Maximum inside turning radius of 120 inches.	<u>116</u>	inches
7	Minimum drum width of 50 inches.	<u>51</u>	inches
8	Minimum drum diameter of 30 inches.	<u>32</u>	inches

**B: ENGINE**

Requested		Offered	
1	Engine Manufacturer:	<u>Cat</u>	
2	Engine Model:	<u>C2.2</u>	
3	SAE Engine HP:	SAE Engine HP <u>49.1</u>	@ <u>2800</u> RPM.
4	The State is requiring that units furnished throughout the contract period have engines meeting the applicable US EPA Tier requirement for off-highway emissions based on the highest horsepower rating of the engine in affected at time of delivery.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
5	Emissions shall not exceed the NOx+NMHC/CO/PM regulations for applicable Tier. Engines certified under the Family Emission Limit (FEL) provision, which are above the applicable US EPA Tier Emission limit, are not acceptable.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
6	Engine shall be diesel powered.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
7	Engine shall only start in the neutral position.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
8	Engine shall be equipped with all standard advertised equipment.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
9	As a minimum the engine will include:		
a.	Starter.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
b.	Alternator.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
c.	Battery.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
d.	Dual stage air cleaner.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

- |  |   |                             |
|--|---|-----------------------------|
| e. Dry type cleaner elements.                        | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| f. Air restriction indicator.                        | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| g. Spin on oil filter.                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| h. Fuel filter.                                      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| i. High temperature/low oil pressure warning system. | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| j. Minimum of 13 gallon fuel capacity.               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

**C: PROPULSION SYSTEM**

- | Requested  | Offered   |
|--|---|
| 1 The propulsion system shall be fully hydrostatic, operating both the front drum and rear wheels. | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2 The manufacture's standard speed and directional controls shall be furnished.                    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 3 The roller speed as a minimum to be infinitely variable from 0 to 5.5 mph forward or reverse.    | FWD <u>0</u> to <u>8</u> mph<br>REV <u>0</u> to <u>8</u> mph        |

**D: STEERING**

- | Requested   | Offered   |
|---|---|
| 1 The steering system shall be hydrostatic power steering with center point articulation. | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2 Minimum degree of articulation of 30 degrees.   | <u>32</u> degrees   |
| 3 Minimum degree of oscillation of 8 degrees.   | <u>10</u> degrees   |

**E: BRAKING SYSTEM**

- | Requested  | Offered   |
|--|---|
| 1 The roller shall be equipped with the manufacture's standard hydrostatic brake system. | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

- |   |   |   |                             |
|---|---|---|-----------------------------|
| 2 | As a minimum the service brake shall be hydrostatic and the parking brake shall be spring applied and hydraulically released.   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 3 | The brake system shall be designed with a fail-safe system that will stop the machine in the event of engine or hydraulic failure or failure of any other part of the braking system. | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 4 | All braking systems shall comply with applicable requirements of SAE.   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

**F: HYDRAULIC SYSTEM**

- | Requested   | Offered   |
|---|---|
| 1 The hydraulic system furnished shall be the manufacture's standard system.  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2 As a minimum the system shall have a fill strainer and a full flow filter of at least 10-micron filtration for the return line.                     | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 3 The reservoir can be common to all systems with a capacity to meet all hydraulic requirements without causing pump cavitation or fluid overheating. | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 4 Capacity of hydraulic reservoir.  | <u>5.81</u> gallons   |
| 5 Is an external cooler of the hydraulic fluid required and furnished?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

**G: DRUM & DRUM VIBRATION SYSTEM**

- | Requested   | Offered  |
|---|--|
| 1 Minimum drum width of 50 inches.                    | <u>51</u> inches   |
| 2 Minimum drum diameter of 30 inches.                 | <u>32</u> inches   |
| 3 Smooth machined finished drum with chamfered edges? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>  |
| 4 Drum wrap thickness.                                | <u>0.55</u> inches   |
| 5 Shall have two vibration modes on drum.             | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>  |
| 6 Vibration frequency and centrifugal force.          | Mode 1: <u>48</u> Hz <u>2,880</u> vpm<br>Centrifugal Force <u>5418</u> lbs.<br><br>Mode 2: <u>55</u> Hz <u>3,300</u> vpm<br>Centrifugal Force <u>7104</u> lbs. |

- 7 Roller operational in either static or vibration mode. Yes ☒ No ☐

H: TIRES

- | Requested                                     | Offered   |
|---|---|
| 1 Minimum of four (4) smooth pneumatic tires. | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2 Tire size.                                  | <u>10.5</u> x <u>80</u>   |
| 3 Ply rating.                                 | <u>16.6</u> Ply   |
| 4 Overall rolling width of pneumatic tires.   | <u>51</u> Inches  |

I: WATER SYSTEM

- | Requested   | Offered   |
|---|---|
| 1 A pressurized, filtered, non-corrosive water system with a minimum 60 gallon tank.                                  | <u>62</u> gallons   |
| 2 The front drum equipped with dual spring -loaded scrapers to keep the drum clean and aid in the spreading of water. | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

J: OPERATOR'S STATION

- | Requested  | Offered   |
|--|---|
| 1 The operator should have a clear view to both the front drum and rear wheels.  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2 The suspension type operator seat to be adjustable front to back and upholstered for weather exposure.                                     | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 3 A retractable seat belt shall be provided.   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 4 The operator's station should be readily accessible from either side of the unit.  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 5 The operating controls and control panel shall be grouped to promote safety and ease of operation and accessible from the seated position. | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 6 The controls as a minimum shall consist of engine speed, directional selection, vibration selection and water spray system.                | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

- 7 The roller shall have a ROPS structure conforming to SAE. Yes ☒ No ☐

**K: INSTRUMENTATION**

- | Requested   | Offered                                 |                             |
|---|---|-----------------------------|
| 1 All standard manufacturer's instrumentation and switches to be provided.  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 2 As a minimum the instrumentation should include:  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| a. Engine oil pressure.   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| b. Engine temperature.  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| c. Hydraulic oil temperature.   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| d. Hourmeter  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| e. Fuel gauge.  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| f. Amp or voltmeter.  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| g. Keyed ignition switch that is designed for exposure to the weather.  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| h. Emergency stop switch.   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| i. The lights or gauges shall be located in full view of the seated operator and provided with a vandal protection cover. | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

**L: MISCELLANEOUS EQUIPMENT**

- | Requested   | Offered                                 |                             |
|---|---|-----------------------------|
| 1 Slow moving vehicle emblem.   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 2 Horn.   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 3 Vandalism protection kit, including locking cover for instruments.  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 4 Lockable engine cover or lock type caps for any exposed or accessible filler caps and oil dipstick (less padlocks).       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 5 Backup alarm.   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 6 One (1) fire extinguisher, 5 U.L. rated, ABC type, rechargeable, with metal discharge valve, and appropriately mounted in | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

accordance with SAE, NFPA and FMVSS.

- 7 The electrical system shall have concealed electrical disconnect.

Yes ☒

No ☐